

05-90  
2502

OIFE

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/10/076,785

TIME: 09:13:19

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

**ENTERED**

3 <110> APPLICANT: Falco, S. Carl  
 4 Famodu, Omolayo O.  
 5 Klein, Ted  
 6 Orozco, Emil M. Jr.  
 7 Rafalski, J. Antoni  
 8 Shen, Jennie  
 9 Cahoon, Edgar B.  
 10 Sakai, Hajime  
 12 <120> TITLE OF INVENTION: Plant Proteinases  
 14 <130> FILE REFERENCE: BB1336 US NA  
 16 <140> CURRENT APPLICATION NUMBER: 10/076,785  
 17 <141> CURRENT FILING DATE: 2002-02-15  
 19 <150> PRIOR APPLICATION NUMBER: 09/501,423  
 20 <151> PRIOR FILING DATE: 2000-02-09  
 23 <150> PRIOR APPLICATION NUMBER: 60/119,599  
 24 <151> PRIOR FILING DATE: 1999-02-10  
 26 <160> NUMBER OF SEQ ID NOS: 58  
 28 <170> SOFTWARE: Microsoft Office 97  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 304  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Zea mays  
 35 <220> FEATURE:  
 36 <221> NAME/KEY: unsure  
 37 <222> LOCATION: (257)  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: unsure  
 41 <222> LOCATION: (266)  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: unsure  
 45 <222> LOCATION: (269)  
 47 <220> FEATURE:  
 48 <221> NAME/KEY: unsure  
 49 <222> LOCATION: (283)  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: unsure  
 53 <222> LOCATION: (290)  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: unsure  
 57 <222> LOCATION: (297)  
 59 <400> SEQUENCE: 1  
 60 gaaaccagca tttgctacta gtagaaagca aaacgagctt tgggtatcca ttcttgagaa 60  
 61 ggcttatgca aaacttcattg gctcttatga ggcattggaa ggtgggcttg ttcaagatgc 120

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/076,785

DATE: 05/08/2002

TIME: 09:13:19

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

```

62 tctagtcgat ctcacaggag gagctggtga agagattgat atgcgaagtc ctcaagccca 180
63 acttgatctt gctagtggaa gattgtgggc gcagttgttg catttcaaac aagaagtttt 240
W--> 64 cttcttggtg ctggaantct tcgggntcng aggcccaaat ccnaacaggn gattttnagg 300
65 gaac 304
67 <210> SEQ ID NO: 2
68 <211> LENGTH: 58
69 <212> TYPE: PRT
70 <213> ORGANISM: Zea mays
72 <400> SEQUENCE: 2
73 Phe Ala Thr Ser Arg Lys Gln Asn Glu Leu Trp Val Ser Ile Leu Glu
74 1 5 10 15
76 Lys Ala Tyr Ala Lys Leu His Gly Ser Tyr Glu Ala Leu Glu Gly Gly
77 20 25 30
79 Leu Val Gln Asp Ala Leu Val Asp Leu Thr Gly Gly Ala Gly Glu Glu
80 35 40 45
82 Ile Asp Met Arg Ser Pro Gln Ala Gln Leu
83 50 55
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 423
87 <212> TYPE: DNA
88 <213> ORGANISM: Oryza sativa
90 <220> FEATURE:
91 <221> NAME/KEY: unsure
92 <222> LOCATION: (128)
94 <220> FEATURE:
95 <221> NAME/KEY: unsure
96 <222> LOCATION: (198)
98 <220> FEATURE:
99 <221> NAME/KEY: unsure
100 <222> LOCATION: (204)
102 <220> FEATURE:
103 <221> NAME/KEY: unsure
104 <222> LOCATION: (250)
106 <220> FEATURE:
107 <221> NAME/KEY: unsure
108 <222> LOCATION: (263)
110 <220> FEATURE:
111 <221> NAME/KEY: unsure
112 <222> LOCATION: (293)
114 <220> FEATURE:
115 <221> NAME/KEY: unsure
116 <222> LOCATION: (311)
118 <220> FEATURE:
119 <221> NAME/KEY: unsure
120 <222> LOCATION: (319)
122 <220> FEATURE:
123 <221> NAME/KEY: unsure
124 <222> LOCATION: (328)
126 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/10/076,785

TIME: 09:13:19

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

```

127 <221> NAME/KEY: unsure
128 <222> LOCATION: (346)
130 <220> FEATURE:
131 <221> NAME/KEY: unsure
132 <222> LOCATION: (365)..(366)
134 <220> FEATURE:
135 <221> NAME/KEY: unsure
136 <222> LOCATION: (374)
138 <220> FEATURE:
139 <221> NAME/KEY: unsure
140 <222> LOCATION: (384)
142 <220> FEATURE:
143 <221> NAME/KEY: unsure
144 <222> LOCATION: (388)
146 <220> FEATURE:
147 <221> NAME/KEY: unsure
148 <222> LOCATION: (395)
150 <220> FEATURE:
151 <221> NAME/KEY: unsure
152 <222> LOCATION: (399)..(400)
154 <220> FEATURE:
155 <221> NAME/KEY: unsure
156 <222> LOCATION: (412)..(413)
158 <220> FEATURE:
159 <221> NAME/KEY: unsure
160 <222> LOCATION: (422)
162 <400> SEQUENCE: 3
163 gggaaaccgg catttgctac tatgtagaaa gcaaaatgag ctgtgggtat ccattcttga 60
164 aaaagcttat gcaaagcttc atggctctta tgaggcattg gaggggtgggc ttgtgcaaga 120
W--> 165 tgctctantg gatctcacag gaggagctgg tgaagagatt gacatgcgga gcccccaagc 180
W--> 166 gcagattgat cttgctantg gaangattgt ggtctcagtt gttgcatttt aaacaagagg 240
W--> 167 gctttcttcn tggggctggg aantccttcc ggcccgatg ctcaatattt cancaagtgg 300
W--> 168 cattgttcaa nggacatgnc cttactcnaa ttttgcaggg taaagnagaa agtttgaatg 360
W--> 169 ggcannaagc ctcngtggca aaanttanaa aaatncccn gggggccaaa annгаааgтt 420
W--> 170 tnt 423
172 <210> SEQ ID NO: 4
173 <211> LENGTH: 47
174 <212> TYPE: PRT
175 <213> ORGANISM: Oryza sativa
177 <220> FEATURE:
178 <221> NAME/KEY: UNSURE
179 <222> LOCATION: (34)
181 <400> SEQUENCE: 4
182 Lys Gln Asn Glu Leu Trp Val Ser Ile Leu Glu Lys Ala Tyr Ala Lys
183 1 5 10 15
185 Leu His Gly Ser Tyr Glu Ala Leu Glu Gly Gly Leu Val Gln Asp Ala
186 20 25 30
W--> 188 Leu Xaa Asp Leu Thr Gly Gly Ala Gly Glu Glu Ile Asp Met Arg
189 35 40 45

```

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/10/076,785

TIME: 09:13:19

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

```

191 <210> SEQ ID NO: 5
192 <211> LENGTH: 588
193 <212> TYPE: DNA
194 <213> ORGANISM: Glycine max
196 <220> FEATURE:
197 <221> NAME/KEY: unsure
198 <222> LOCATION: (553)
200 <220> FEATURE:
201 <221> NAME/KEY: unsure
202 <222> LOCATION: (562)
204 <220> FEATURE:
205 <221> NAME/KEY: unsure
206 <222> LOCATION: (584)
208 <400> SEQUENCE: 5
209 gcatttgcta ctagtaagaa gggctatgaa ctttgggtct ccatattgga gaaggcatat 60
210 gccaaagtgc atggctctta tgaagcacta gaagggtggc ttgttcaaga tgctctgggtg 120
211 gatcttacag ggggtgctgg ggaggaaatt gacatgagga gtggtgaagc ccagattgac 180
212 cttgcaagtg gtagattgtg gtctcaactg ttgcgcttca agcaagaagg ttttctccta 240
213 ggtgcaggaa gtccatcagg ttcagatgtg cacatctctt ctagtggcat tgtgcaagga 300
214 catgcatact caatactgca ggtaagagac gtggatggtc ataaacttgt tcagatccga 360
215 aatccatggg ccaatgaagt ggagtggaat ggtccctggc ctgactcgtc gcctgagtgg 420
216 acagatagga taaagcaca gctgaagcat gttcacagtc aaaagatggc atattctgga 480
217 tgtcctggca agattttcag attcatttcg ataatatata tttccgttat ctaccatcag 540
W--> 218 agatcgtcat tcngttcatg gncaatggcg ttgttacagt gccngggg 588
220 <210> SEQ ID NO: 6
221 <211> LENGTH: 50
222 <212> TYPE: PRT
223 <213> ORGANISM: Glycine max
225 <400> SEQUENCE: 6
226 Glu Leu Trp Val Ser Ile Leu Glu Lys Ala Tyr Ala Lys Leu His Gly
227 1 5 10 15
229 Ser Tyr Glu Ala Leu Glu Gly Gly Leu Val Gln Asp Ala Leu Val Asp
230 20 25 30
232 Leu Thr Gly Gly Ala Gly Glu Glu Ile Asp Met Arg Ser Gly Glu Ala
233 35 40 45
235 Gln Ile
236 50
238 <210> SEQ ID NO: 7
239 <211> LENGTH: 1592
240 <212> TYPE: DNA
241 <213> ORGANISM: Zea mays
243 <400> SEQUENCE: 7
244 tttttttttt ttttttttag acagcttcgc atggcaccca aaaaataggt tcattgaatg 60
245 acatcagatt ccgattacat acagggcaaa ccaatgggaa cagctatggc cgactactcc 120
246 acgctcaaat cagcaaaact gcagcttgcc aacaagacat ttcacagctg cataagagcc 180
247 ctatgcgtta acaggaacga caggctacct aacctaacct tatagcattt acagggtaaa 240
248 cgggacacct atacatagga tgggctacca ggtcagttac cacggctatc tacaaacatt 300
249 gaaccaagcc tctcaccttg cactttgcgc agctaccaaa gaaccatgga tcatgccttc 360
250 tctcctttcc cttcagcaca agaagcattg ccgtttgtca gatctgcaac aagcaaccga 420

```

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/10/076,785

TIME: 09:13:19

Input Set : N:\Cr3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

```

251 acttaggtac ttgcatgcag caagattgat tgaagttgtc caggaggcaa ttcctatacc 480
252 cattatctag ttcccgagaa cccacagctg gatcctgcgt gcacgggtgc ccagcagacg 540
253 cagctaccat caaacacatg ggatctcaat cttgaactaa acagcctcta gtctgattga 600
254 tgcttttgaa aaaactgaca aaacaaaagg tgcttcctcc ccagggtgga tggtagttgg 660
255 cacaattgtg taccctttgg gataaggatc caagaccagt tcgcatgata tctccctcga 720
256 gttaacgtaa tctgttccac cagcgtttc atgcatgtag atattgtaag cagcacggca 780
257 gccctgtgtc ttgagtatcc tcattccaat gtaaaacatt gaagaatcat ggctagattg 840
258 gtagttccga aaaccattcg tctttctaga gaaaccaaca ccctgagtaa gggtaataaa 900
259 aacgtgaaca gggatatgtg catcacgtcc tgttactcta agtcgatact gtggattttg 960
260 gtgccacgag tcataatctt ggcaaccacc tgcattgtag ccacgccatt gcccatggac 1020
261 agagtaacgc atctcaggtg gataaacacg acaaacatat attgaccgaa agtgaatctg 1080
262 aaaatcttgc caagacatcc agaatacccc attcttcgac tgtggaacat gcatgagctt 1140
263 atgcttcacg cgttccgtcc actctggtga cgagtctgac catggtccat tccattcaac 1200
264 ttcatttgcc catggatttc tgatttggat gagtttggg ccatcaactt ctcttacctg 1260
265 caaaattgag tacgcatgtc cctgaacaat gccacttgat gagatgtgag catcagatcc 1320
266 agaaggactt ccagcaccaa gaagaaaacc ttcttgttg aaatgcaaca actgcgacca 1380
267 caatcttcca ctagcaagat caagttgggc ttgaggactt cgcataatcaa tctcttcacc 1440
268 agctcctcct gtgagatcga ctagagcatc ttgaacaagc ccaccttcca atgcctcata 1500
269 agagccatga agttttgcat aagccttctc aagaatggat acccaaagct cgttttgctt 1560
270 tctactagta gcaaagtctg gtttctcgtg gc 1592

```

272 &lt;210&gt; SEQ ID NO: 8

273 &lt;211&gt; LENGTH: 337

274 &lt;212&gt; TYPE: PRT

275 &lt;213&gt; ORGANISM: Zea mays

277 &lt;400&gt; SEQUENCE: 8

```

278 Thr Arg Lys Pro Ala Phe Ala Thr Ser Arg Lys Gln Asn Glu Leu Trp
279   1           5           10           15
281 Val Ser Ile Leu Glu Lys Ala Tyr Ala Lys Leu His Gly Ser Tyr Glu
282           20           25           30
284 Ala Leu Glu Gly Gly Leu Val Gln Asp Ala Leu Val Asp Leu Thr Gly
285           35           40           45
287 Gly Ala Gly Glu Glu Ile Asp Met Arg Ser Pro Gln Ala Gln Leu Asp
288           50           55           60
290 Leu Ala Ser Gly Arg Leu Trp Ser Gln Leu Leu His Phe Lys Gln Glu
291   65           70           75           80
293 Gly Phe Leu Leu Gly Ala Gly Ser Pro Ser Gly Ser Asp Ala His Ile
294           85           90           95
296 Ser Ser Ser Gly Ile Val Gln Gly His Ala Tyr Ser Ile Leu Gln Val
297           100          105          110
299 Arg Glu Val Asp Gly His Lys Leu Ile Gln Ile Arg Asn Pro Trp Ala
300           115          120          125
302 Asn Glu Val Glu Trp Asn Gly Pro Trp Ser Asp Ser Ser Pro Glu Trp
303           130          135          140
305 Thr Glu Arg Met Lys His Lys Leu Met His Val Pro Gln Ser Lys Asn
306  145           150          155          160
308 Gly Val Phe Trp Met Ser Trp Gln Asp Phe Gln Ile His Phe Arg Ser
309           165          170          175
311 Ile Tyr Val Cys Arg Val Tyr Pro Pro Glu Met Arg Tyr Ser Val His
312           180          185          190

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/076,785

DATE: 05/08/2002  
TIME: 09:13:20

Input Set : N:\Crf3\RULE60\10076785.txt  
Output Set: N:\CRF3\05082002\J076785.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 257,266,269,283,290,297  
Seq#:3; N Pos. 128,198,204,250,263,293,311,319,328,346,365,366,374,384,388  
Seq#:3; N Pos. 395,399,400,412,413,422  
Seq#:4; Xaa Pos. 34  
Seq#:5; N Pos. 553,562,584  
Seq#:13; N Pos. 120,283,299,337,479  
Seq#:14; Xaa Pos. 40,94,99,112,159  
Seq#:15; N Pos. 342,634  
Seq#:16; Xaa Pos. 114  
Seq#:21; N Pos. 645,680,740  
Seq#:22; Xaa Pos. 209,220  
Seq#:25; N Pos. 362,375,398  
Seq#:26; Xaa Pos. 121,125  
Seq#:29; N Pos. 434,462,495,515  
Seq#:30; Xaa Pos. 9,16,27,36  
Seq#:33; N Pos. 628,674,740  
Seq#:34; Xaa Pos. 65,66,67,68,276  
Seq#:37; N Pos. 327,350,359,372,397,423,448,459,486,492  
Seq#:38; Xaa Pos. 109  
Seq#:43; N Pos. 358,402,410,439,447,495,571,574,600,602  
Seq#:45; N Pos. 384,469  
Seq#:58; N Pos. 26,46,79,107

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/076,785

DATE: 05/08/2002  
TIME: 09:13:20

Input Set : N:\Crf3\RULE60\10076785.txt  
Output Set: N:\CRF3\05082002\J076785.raw

L:64 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1  
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240  
L:165 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120  
L:166 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180  
L:167 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240  
L:168 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300  
L:169 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360  
L:170 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:420  
L:188 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32  
L:218 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:540  
L:580 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60  
L:583 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:240  
L:584 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:300  
L:586 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:420  
L:621 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:32  
L:630 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14  
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:80  
L:633 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14  
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:96  
L:642 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14  
L:642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:144  
L:667 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:300  
L:672 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:600  
L:706 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16  
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:112  
L:913 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:21  
L:913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:600  
L:914 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:21  
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:660  
L:915 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:21  
L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:720  
L:970 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22  
L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:208

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/076,785

DATE: 05/08/2002

TIME: 09:13:20

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

L:1105 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360  
L:1143 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26  
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:112  
L:1374 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:420  
L:1375 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:480  
L:1399 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:30  
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:1402 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:30  
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:16  
L:1405 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:30  
L:1405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:32  
L:1616 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:33  
L:1616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:600  
L:1617 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:33  
L:1617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:660  
L:1618 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:33  
L:1618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:720  
L:1646 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:34  
L:1646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:64  
L:1685 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:34  
L:1685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:272  
L:1821 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
L:1821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:300  
L:1822 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
L:1822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:360  
L:1823 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
L:1823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:420  
L:1824 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
L:1824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:480  
L:1854 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:38  
L:1854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:96  
L:2004 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:300  
L:2005 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:360  
L:2006 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:420  
L:2007 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:480  
L:2008 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:540  
L:2009 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:43  
L:2009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:600  
L:2055 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:45  
L:2055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:360  
L:2056 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:45

## VERIFICATION SUMMARY

DATE: 05/08/2002

PATENT APPLICATION: US/10/076,785

TIME: 09:13:20

Input Set : N:\Crf3\RULE60\10076785.txt

Output Set: N:\CRF3\05082002\J076785.raw

L:2056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:420  
L:2442 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:58  
L:2442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0